

EXPLANATION OF PLATE XVII.

MIMICRY AND WARNING COLOURS IN COLEOPTERA.

Mutilloid Coleoptera: *Cleridæ*, *Carabidæ* and *Cicindelidæ*. Warning patterns in the Carabid genus *Anthia*.

All the figures are about $\frac{1}{10}$ of the natural size.

All the specimens, not otherwise described, were captured at the times mentioned, at Salisbury, Mashonaland, 5000 feet, by Guy A. K. Marshall.

- FIG. 1. *Mutilla purpurata* ♂, Nov. 1898.
 2. " *tettensis* ♀ " "
 3. " *cephus* ♀ " "
 4. " *leucopyga*? ♀ " "
 5. " *sycoræ* ♀ " "
 6. " *horrida* ♀ " " to Jan. 1899.
 7. *Atractonota mulsanti* " " Mimic of ant.
 8. " " " " " "
 9. *Polyhirma ænigma* " " " " and yet Mutilloid also.
 10. *Polyhirma ænigma* " " to Jan. 1899. Mimic of large ant, and yet Mutilloid also.
 11. *Eccoptoptera cupricollis*, Nov. 1898. A very perfect mimic of a *Mutilla*.
 12. *Graptoclerus* sp., Nov. 1898. Mutilloid mimic.
 13. *Polyhirma boucardi*, Nov. 1898 to Jan. 1899.
 14. *Graphipterus antiokanus*, Nov. 1898 to Jan. 1899. Resembles the much larger Fig. 15, and, like it, Mutilloid.
 15. *Piezia selousi*, Nov. 1898.
 16. *Polyhirma bilunata*, Nov. 1898 to Jan. 1899. This and the last species, when running, bear a general resemblance to Mutillids.
 17. *Myrmecoptera marshalli*, Nov. 1898.
 18. " *invicta* " "
 19. " *bilunata* " " This and the two previous species are mimics of Figs. 15, 16, etc.
 20. *Myrmecoptera polyhirmoides*, var. *mashuna*, Nov. 1898 to Jan. 1899. A mimic of Fig. 13.
 21. *Anthia massilicata*, Nov. 1898 to Jan. 1899.
 22. " *petersi* " " " "
 23. " *thoracica* " " " "

- FIG. 24. *Anthia scarguttata* ♀. Collected by Maj.-Gen. Hearsey, India.
 25. *Anthia nimrod* ♀. West Africa.
 26. ,, *omoplata*, var. *mellyi*, Nov. 1898 to Jan. 1899.

EXPLANATION OF PLATE XVIII.

MIMICRY IN MASHONALAND INSECTS.

Mashonaland insects of many Orders with Lycoid pattern and colouring: small groups probably mimetic of Ichneumonids.

All the figures are of the natural size.

All the specimens were captured by Guy A. K. Marshall, at the times mentioned, and unless otherwise described, at Salisbury, Mashonaland, 5000 feet.

Figs. 1 to 52 show a large and complex group, including species of the genus *Lycus* and insects of various Orders and numerous families mimetic of, or converging towards, the orange and black coloration of this abundant and distasteful genus.

- FIG. 1. *Lycus* (*Merolycus*) *rostratus* ♂, Jan. 1899.
 2. " " " ♀ " "
 3. " (*Acantholycus*) *constrictus* ♂, Jan. 1899.
 4. " *ampliatus* ♂, June 1900.
 5. " " ♀, Jan. 1899.
 6. " (*Lopholycus*) *zonatus* ♀, Jan. 1899.
 7. " (*Lopholycus*) *haagi* ♂ " "
 8. " " " ♀ " "
 9. " (*Chlamydolycus*) *subtrabeatus* ♂, Jan. 1899.
 10. " " " ♀ " "
 11. *Lycocerus mimicus* ♂, Nov. 1899.
 12. " " ♀, Jan. 1899.
 13. *Prionocerus dimidiatus*, Jan. 1899.
 14. *Pœcilomorpha fasciaticollis*, Nov. 1900.
 15. *Peploptera zambesiana*, Jan. 1899.
 16. *Diacantha conifera* ♀, Nov. 1898.
 17. " " ♂, Jan. 1899.
 18. *Aphodius holubi*, Feb. 1899.
 19. *Eutrapela* sp., Dec. 1901. Mt. Chirinda, Gazaland.
 20. *Eletica rufa* ♂, Nov. 1898.
 21. " " ♀ Jan. 1899.
 22. *Mylabris palliata* " "